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We Claim:

1. A system for discerning an audible command from ambient noise in a vehicular cabin, the system comprising:

a microphone array; and a signal processing system.

- 2. The system of claim 1, wherein the microphone array is one-dimensional.
- 3. The system of claim 1, wherein the microphone array is two-dimensional.
- 4. The system of claim 1, wherein the microphone array is three-dimensional.
- 5. The system of claim 1, wherein the microphone array is pivotally mounted in the vehicular cabin.
- 6. The system of claim 1, wherein the vehicular cabin includes a rearview mirror, and the microphone array is located within the mirror.
- 7. The system of claim 6, including means for determining the position of the mirror.
- 8. The system of claim 7, wherein the position determining means comprises a potentiometer.
- 9. The system of claim 1, wherein the vehicular cabin includes a headliner, and the microphone array is located within the headliner.
 - 10. The system of claim 1, wherein the vehicular cabin includes a overhead console, and the microphone array is located within the overhead console.

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- 11. The system of claim 1, wherein the vehicular cabin includes an interior surface, and the microphone array is located within the interior surface.
- 12. The system of claim 1, wherein the vehicular cabin includes a dashboard, and the microphone array is located within the dashboard.
 - 13. The system of claim 1, wherein the vehicular cabin includes a visor, and the microphone array is located within the visor.
 - 14. The system of claim 1, wherein the vehicular cabin includes a pillar, and the microphone array is located within the pillar.
 - 15. The system of claim 1, wherein the vehicular cabin includes a headrest, and the microphone array is located within the headrest.
 - 16. The system of claim 1, wherein the vehicular cabin includes a steering wheel, and the microphone array is located within the steering wheel.
 - 17. The system of claim 1, wherein the vehicular cabin includes a compartment door, and the microphone array is located within the compartment door.
 - 18. The system of claim 1, wherein the signal processing system is analog.
- 19. The system of claim 18, wherein the analog signal processing system performs a delay and sum processing function.
 - 20. The system of claim 18, wherein the analog signal processing system performs a filter and sum processing function.
 - 21. The system of claim 1, wherein the signal processing system is digital.

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- 22. The system of claim 21, wherein the digital signal processing system performs Griffiths Jim processing.
- 23. The system of claim 21, wherein the digital signal processing system performs Frost processing.
 - 24. The system of claim 21, wherein the digital signal processing system performs adaptive signal processing.
 - 25. The system of claim 21, wherein the digital signal processing system performs adaptive beamforming.
 - 26. The system of claim 25, wherein the digital signal processing system performs adaptive noise reduction.
 - 27. The system of claim 1, wherein the signal processing system is acoustic.
 - 28. The system of claim 27, wherein the acoustic signal processing system includes a delay line.
 - 29. The system of claim 27, wherein the acoustic signal processing system is shotgun.
 - 30. The system of claim 1, including a plurality of microphone arrays.
 - 31. The system of claim 1, wherein the signal processing system includes multiple output channels.
 - 32. The system of claim 1 wherein the microphone array is directional.

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- 33. The system of claim 32, wherein the direction of the directional microphone array is adjustable.
- 34. The system of claim 32, wherein the direction of the directional microphone array is electronically adjustable.
 - 35. The system of claim 34, including means for maximizing the directionality of the directional microphone relative to the audible command.
 - 36. The system of claim 32, wherein the direction of the directional microphone array is mechanically adjustable.
 - 37. The system of claim 1, wherein the microphone array includes silicon based microphones.
 - 38. The system of claim 1, wherein the vehicle has a controllable parameter, and the system includes means responsive to the audible command for controlling the parameter.
 - 39. The system of claim 1, wherein the vehicle has a plurality of controllable parameters, and the system includes means responsive to the audible command for controlling a desired one of the parameters.
 - 40. The system of claim 1, including means for detecting failure of one microphone of the microphone array.
 - 41. The system of claim 40, including means responsive to the failure detection for compensating for the failure of the microphone.
 - 42. The system of claim 1, wherein the microphone array is selectively directional between two potential audible command sources.

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- 43. The system of claim 1, including means responsive to the audible command for controlling a vehicular function.
- 44. A system for discerning an audible command of a speaker from ambient noise in a vehicular cabin, the system comprising:

a microphone array having an output; and

a signal processing system coupled to the output of the array for forming a microphone beam.

- 45. The system of claim 44, wherein the signal processing system includes means for adaptively adjusting the microphone beam.
- 46. The system of claim 45, wherein the signal processing system includes means for locating the speaker.
- 47. The system of claim 46, wherein the signal processing system includes means for defining an acceptance area about the located speaker.
- 48. The system of claim 47, wherein the signal processing system includes means for adjusting the acceptance area.
- 49. A system for discerning an audible command of each of two speakers from ambient noise in a vehicular cabin, the system comprising:
 - a microphone array having an output; and
- a signal processing system coupled to the output of the array for forming two microphone beams, one associated with each of the speakers.
- 50. The system of claim 49, wherein the signal processing system has two outputs, one associated with each of the formed beams.

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- 51. The system of claim 49, wherein the signal processing system includes means for locating each of the speakers.
- 52. The system of claim 51, wherein the signal processing system includes means for defining an acceptance area about each of the located speakers.
 - 53. The system of claim 52, wherein the signal processing system includes means for adjusting each of the acceptance areas.
 - 54. The system of claim 49, including means for toggling between each of the beams.
 - 55. The system of claim 49, including means responsive to the audible command for controlling a vehicular function.
 - 56. A system for controlling a vehicular function in response to an audible command, the system comprising:

a microphone array disposed within a rear-view mirror, the rear-view mirror being disposed within a vehicular cabin;

a signal processing system coupled to the microphone array for discerning the audible command from ambient noise in the vehicular cabin; and

means responsive to the audible command for controlling the vehicular function.

- 57. The system of claim 56, including means for locating the speaker.
- 58. The system of claim 57, wherein the signal processing system includes means for defining an acceptance area about the located speaker.
 - 59. The system of claim 57, wherein the signal processing system includes means

for adjusting the acceptance area.

60. A system for controlling a vehicular function in response to an audible command, the system comprising:

a microphone array disposed within a headliner, the headliner being disposed within a vehicular cabin;

a signal processing system coupled to the microphone array for discerning the audible command from ambient noise in the vehicular cabin; and

means responsive to the audible command for controlling the vehicular function.

- 61. The system of claim 60, including means for locating the speaker.
- 62. The system of claim 61, wherein the signal processing system includes means for defining an acceptance area about the located speaker.
- 63. The system of claim 62, wherein the signal processing system includes means for adjusting the acceptance area.
- 64. A system for discerning an audible command from ambient noise in a vehicular cabin, the system comprising:

a plurality of microphone arrays; and
a signal processing system coupled to the arrays for forming a microphone
beam.

- 65. The system of claim 64, wherein the signal processing system includes means for adaptively adjusting the microphone beam.
- 66. The system of claim 65, wherein the signal processing system includes means for locating the speaker.

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- 67. The system of claim 66, wherein the signal processing system includes means for defining an acceptance area about the located speaker.
- 68. The system of claim 67, wherein the signal processing system includes means for adjusting the acceptance area.